Washing New York Now a Science POULTRY NOTES

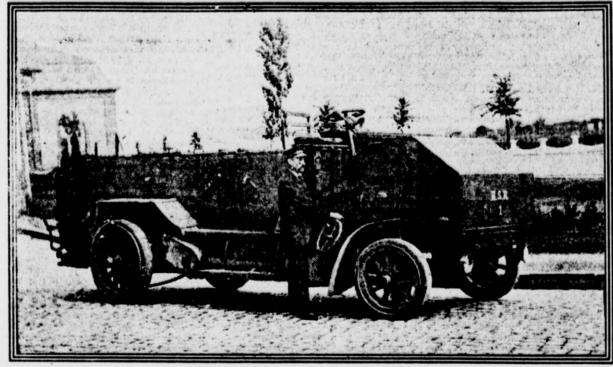
Commissioner John T. Fetherston Explains the History and Development of One of City's Greatest Problems

HE hand broom, scoop and pushcart of the past have been displaced by the up to date auto-matic motorized street cleaning apparatus of to-day. Such has been the transformation within the past score of years, according to Street Gleaning Commissioner John T. Fetherston.

The medical expert, the sanitary engineer and the progressive municipal official, urged forward by a general demand for improved and more healthful conditions, have aroused and encouraged the inventive genius of the twentieth century. The result is shown in the wonderful advance made in the methods of street cleaning now in use in the leading cities of the world.

At the exhibition of street cleaning appliances, which opens in the armory of the First Regiment Field Artillery. Sixty-eighth street and Broadway, tomorrow, this advance will be graphically told by the tools and machines which have been employed during the past half century, beginning with the crude

Since the introduction of the sweep-



Refuse collection truck in Hamburg.

implements of the long ago and coming up by stages to the very latest, some of which are still in the experimental operate the latest pattern of machine. dent to the transportation of these objects are the latest pattern of machine. dent to the transportation of these objects are the latest pattern of machine. dent to the transportation of these objects are the latest pattern of machine. The first flushing machine required cause of the annoyances and the dan- in every branch of street cleaning determined the winter mount of the public incipation. The first flushing machine required cause of the annoyances and the dan- in every branch of street cleaning determined the winter mount of the public incipation. The first flushing machine required cause of the annoyances and the dan- in every branch of street cleaning determined the winter mount of the public incipation. The first flushing machine required cause of the annoyances and the dan- in every branch of street cleaning determined the winter mount of the public incipation. The first flushing machine required cause of the annoyances and the dan- in every branch of street cleaning determined the winter mount of the public incipation. The first flushing machine required cause of the annoyances and the dan- in every branch of street cleaning determined the dan- in every branch of street cleaning determined the dan- in every branch of street cleaning determined the dan- in every branch of street cleaning determined the dan- in every branch of street cleaning determined the dan- in every branch of street cleaning determined the dan- in every branch of street cleaning determined the dan- in every branch of street cleaning determined the dan- in every branch of street cleaning determined the dan- in every branch of street cleaning determined the dan- in every branch of the dan

The machines at first used discharged jectionable matters through the city's busy in efforts to improve the means the water with hydrant pressure, but streets. This problem, however, seems and methods of cleaning and keeping

This cart will be one of the most in- cleaning exhibition.

or still in the process of incubation in the minds of thinkers. The main objects of the Department of Street Cleaning in holding the exhibition are to show the public the types of equipment for street cleaning now in service, to give the manufacturers the facilities for the display of their machines and to afford opportunities for practical tests of machines and other appliances. That these objects have been achieved is apparent from the long list of entries already made, the interest shown on every hand in the long list of entries already made, the interest shown on every hand in the

fields will be seen at the big street

fruit.

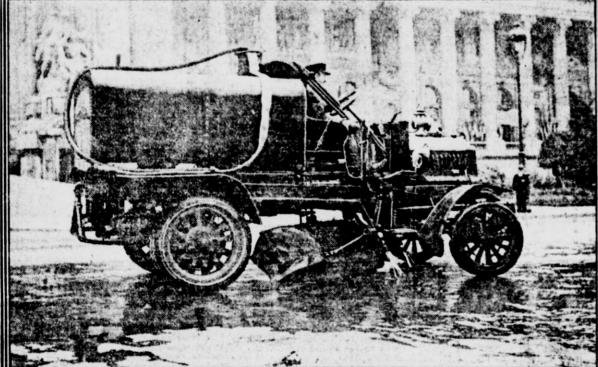
The main objection to hens is that they of their machines thus entailing upon them considerable expense and trouble. The various machines and implements shown will be given thorough practical ests during the week, under the supersection of these was all as a legislation of the percentage that moult late is greater than of those who shed the old feathers, grow the new and are in laying condition by November and December. The best ests during the week, under the supersection of the supersection from long distances, the transportation them considerable expense and trouble. The various machines and implements shown will be given thorough practical

forms of this machine and perfection on the machine did not thoroughly in the 1915 budget to purchase 800 poster drawings, which will be shown at

move from the average collecting oint to the dump five loads in eight ours.

will be preceded by a characteristic parade—as is the time honored custom of all big shows. Admission to the exhibition will be freeded by a characteristic parade—as is the time honored custom whom the stock of eggs was purchased is blamed, when the blame are parademental to the paradement of all big shows.

ing machine there have been radical advances in that method of street be forced out in that way and the machines. Ten years ago in this city chines had to be refilled while still conthirty-five of these machines were employed. Now the department has more than a hundred in its equipment. Each a hundred in its equipment. than a hundred in its equipment. Each added pressure, discharge their entire until now there is a practical, workable eral scheme, are receiving attention. of the machines will sweep 42,000 square contents without refilling. These machines will sweep 42,000 square chines also throw the water over an minimum the menace in the removal of whole country have worked out in these The latest development in the sweep- area twice the size of that covered by garbage and ashes. pickup machine. This sweeper gathers the dirt on the street and conveys it to a receptacle, which, when filled, deposits its contents in bulk, so that they can be collected by the carts. There ing machine shows what is called the the older machines.



Combination sweeping, sprinkling and flushing machine.

are some variations in the different York department found that the sprayer let and that provision has been made has not yet been attained.

water 1 ing" method a gang of three men can flush 26,000 square yards in a day of other refuse from the points of collechours. The machine can flush tion to the dumps has presented one 34,000 square yards in the same time. of the most aggravating problems, be

soften the matter to be removed and more. another adopted the system of sending a sprink-The Commissioner has also said that method of street cleaning which has undergone important changes during the past decade. Ten years ago the city of New York employed thirty garngs at what is called "hand flushing," meaning the use of hose by garngs of men. To-day there are 150 garngs so employed. Later the flushing machine was introduced. By the "hand flushing" method a gang of three men can ing" method a gang of three men can ing" method a gang of three men can in advance of the squeegees, but in almost the covering of carts is only a temporate the covering of carts is only a temporate the covering of carts is only a temporate a success, and the covering of carts is only a temporate the specific to the covering of carts is only a temporate the covering of the specific the covering of the success, and the covering of carts is only a temporate the covering of the specific the covering of the specific the covering of carts is only a temporate the covering of the specific the covering of the cart in advance of the specific the covering of the cart in advance of the The carting of garbage, ashes and

on Housing, Feeding

PROFIT IN POULTRY

Good Results Depend Largely and Stock.

WINTER EGGS MEAN

FORCING IS UNDESIRABLE

By JAMES P. HOPKINS.

The problem of winter egg production has always been a mystery to many Especially does the beginner in poultry keeping struggle with it with discouraging results for the first and sometimes the second year. This year, above all, due to the high price of poultry feeds and equipment, the subject of winter eggs is important. That the price of fresh hen fruit will be high enough to overbalance the cost of production there is no doubt. But the poultry keeper must have a flock that will produce from at least 30 to 50 per cent. egg yield during the winter months to insure a profit above

Late spring and summer laying will not do this with the lower price of eggs and with feeds at winter prices. From present indications the price of all poultry feeds will not be much lower, if any. In fact, for a number of years the price of poultry feeds and equipment (as in all other lines) has gradually advanced. With this increased price the egg and poultry market in these seasons has advanced, consequently the outlook for poultry was never better for those who can produce.

three and four years old or pullets that were hatched in July or August, to yield a big egg crop in winter months and give drawings and blue prints of appliances already made and in use somewhere in a profit.

More is now required to obtain winter the world, in the course of construction

eggs than the mere fact that one has a the best of feeds and rations mixed according to the advice of the best poultry experts. Buildings and feeds are essenexperts. tials in winter egg production, but they never yet made the immature pullet lay or compelled the three or four year old

long list of entries already made, the interest shown on every hand in the forthcoming exhibition and the perfected arrangements for tests.

It is now assured that a number of manufacturers of appliances will show their goods at the exhibition, as they have applied for and secured space. Some of these manufacturers will come

tests during the week, under the superegg yield, therefore, is always obtained
from the properly grown pullet and
hatched at the right time according to
the breed.

Many beginners, relying on poultry

tank
of oats, wheat, K
fed. The colder to
the breed.

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is blamed, when the blame should justly rest on the shoulders of the one who raised them. Properly grown from a good lay-ing strain, Leghorns should begin laying ing strain, Leghorus should begin laying at from five to six months from the shell: Wyandottes, Rhode Island Reds, at from five and a half to six and a half; Plymouth Rocks about the same, and some strains of Orpingtons will also do the same; but the general rule is the heavier the breed the longer it takes to laying

nce except that it must give plenty of resh air without draughts; added to this nust come the arrangement that plenty

e covered with muslin, excepting at paces of eighteen to twenty feet there hould be glass covered windows to prolide light when the muslin coverest rames are down. The frames should except to the plate rail, allowing as much it circulation as possible.

the real egg maker. Oyster shell, char-coal and grit are placed in separate hop-pers, and an even supply of green feed by hefore the fowls each day. This may sprouted oats, beets or cabbage routed oats possibly leading the list lthough good results have been obtained feeding cabbage alternating with beets is essential that this green food be used for best results. Last but not least is clean, fresh water, and it is im-portant that it be fresh and clean. It goes without saying that the poultry quarters must be kept clean. Many pooregg yields are caused by lice, and this jest is generally the last thing sought for by the average builtry keeps in trying to

s generally the last thing sought for by he average poultry keeper in trying to ocate the source of trouble. Crowding poultry is another cause for ate egg development. For the heavier orceds, four square feet of floor space is

Fisher said to the doctor that she "would kiss him if he weren't a married man." Many witnesses were introduced by both sides.

Miss Fisher is a rather pretty young woman. She wept often during the court proceedings.

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Miss Fisher is a rather pretty young woman, the wept often during the court ing, as in many other things pertaining to the poultry industry, there is much to leaking here.

Moulting Lowers a Hen's Vitality-Dr. Hess Poultry Pan-a-ce-a Tones Hens Up -Starts Them Laying

The best way to satisfy yourself is to get a free trial package of Pan-a-ce-a from one of the dealers named below and put it to the test.

Pan-a-ce-a is a tonic—not a stimulant. It quickly overcomes the weakening effects of moulting, tones up the dormant egg organs and starts hens laying. Get This Trial Package-It's Free

> Contains enough Pan-a-ce-a for 12 hens for two weeks DR. HESS & CLARK, Ashland, Ohlo Get your package from any of the following dealers :

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The Bronx Hay & Grain Co., 2842 Wm. Bartels Co., 42-14 Cortlandt St.

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D. J. Lyons, 2650 E. 14th St.
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Clatbush Feed Co., 2601 Tilden Ave.
R Prospect St.
Geo. E, Kroener, 583 Glemmore Ave.

NEW ROCHELLE.

Glasser Grain Co., 80 Harrison, Robt, Denton, 133 Huguenot St.

JERSEY CITY. Chas. Collet, 17 Sherman St.
M. A. Carmody, 652 Newark Ave.
Henry Lurz, 417 Hoboken Ave.
Chas. H. Prigge, 43 Hancock Ave. OTHER DEALERS IN THIS VICINITY.

King's Bronx Zoological Store, 107 E.

215 St., Williamsbridge.

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Van Nest.

Aug. Ruscher, 524 Broadway, Ba-

Herman Kuhl Sons, 1768 Walker Ave., Van Nest.

Meyer I. Shapiro, 3949 Jerome Ave., Woodhaven.
G. H. Molennor, 3 S. Lexington St., White Plains, Edw. N. E. Klein, 315 13th St., College Point.
Kaiser Bros., W. Jackson Ave., Corona, Chas. Haegele. Thompson & Myers Ave., Winfield.
W. J. Frahm. 333 Flushing Ave., Long Island City.

Herman Kuhl Sons, 1768 Walker Ave., Aug. -Ruscher, 524 Broadway, Bayone.
Bayonne.
Geo. Cox & Sons, Inc., 809-817 Hackensack Plank Road, West Hoboken, Grack Plank Road. West Hoboken, James F. Burke, Glen Cove.
J. F. Gulick, Hempstead.
Geo. E. Hendrickson, Lynbrook.



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Absolutely no breakages. The lightest and cheapest package on

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se Conkey's Roup Remedy !

THE G. E. CONKEY CO.

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GOLDEN POULTRY GRIT

200 lbs. \$1.00 \$4.00 per To

J. A. HUGGS, Riverdale, N. J.

Mineola, N.

INFORMATIO

ARE YOU GETTING LOTS OF EGGS ?

CONKEY'S

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have given good results, and they are th foundation on which the poultry keeper can work now. A ration mixed for a warm climate would not do for winter

during the week from 1 to 11 P. M. The programme will include, in addition to the tests of appliances, lectures by the leading experts in street cleaning from the principal cities of the country, band concerts and motion pictures.

Prizes are to be awarded to pupils of the high schools and the elementary schools of the "Model District" for poster drawings, which will be shown at the covering of carts is only a temporary expedient, pending the tests of the making this feature a success, and that provision has been made in the right time according to the breed. The coller the weather the more corn the breed. Many beginners, relying on poultry writers, figure that in five months the Leghorn pullet will lay its first egg, or Plymouth Rocks, Wyandottes or Rhode tisland Reds will lay in six months. Nothing could be more misleading, because the time that a flock will come into laying from the principal cities of the country, band concerts and motion pictures.

Prizes are to be awarded to pupils of the high schools and the elementary schools of the "Model District" for poster drawings, which will be shown at the exhibition. The Board of Education is cooperating with the department in making this feature a success, and the covering of carts is only a temporary expedient, pending the tests of the breed. The coller the weather the more corn the breed. The coller the weather the more corn the breed.

Many beginners, relying on poultry writers, figure that in five months the Leghorn pullet will lay its first egg, or Plymouth Rocks, Wyandottes or Rhode the breed. The coller the weather the more corn death of the breed.

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The coller the weather the more corn death of the breed. The collect in writers, figure that in five months. Nothing and night, according to weather and the laying of the deed, the breed.

The commissioner has also said that the right will

possible carrier of the germ the Palace Show exhibitors have been timid in making their entries and so the management has had to hold their books onen until to-morrow. They have received assurances from the highest State and Federal authorities that the epidemic is practically over and wherever a ban exists on chickens it will be raised in time to allow all exhibits to be in the Balace on time and no trouble will be met in getting them back again. This should allay the

BRIEFS FOR POULTRYMEN.

fears of the most timid.

on, for it gives the poultry hock hearts, and without perfect health egg production cannot be expected.

The style of house makes little differing that it must give plenty of appointed superintendent of poultry at The style of house makes little difference once except that it must give plenty of fresh air without draughts; added to this must come the arrangement that pienty of sun must be admitted during winters shortest days. Sunlight and fresh air are an ogreat factors in getting winter eggs. The ideal poultry house should be of the shed roof type with the high side facing south or hearly so and the low a de facing north. The front of the house should be built up solld for two and a half feet from the sill to the window rames. The windows should be from twelve to sixteen inches apart and should be glass covered with muslin, excepting a snaces of eighteen to twenty feet there whould be glass covered windows to provide light when the muslin covered frames are down. The frames should extend to the plate rail allowing a smuch air circulation as possible.

rames are down. The frames should exected to the plate rail allowing as much air circulation as possible.

To keep the fowls exercising part of the day, deep litter, in which the morning and night feeds of grains should be scattered, should be provided in which the dry mash is placed. This dry mash is before the fowls at all times and is before the fowls at all times and is the real egg maker. Oyster shell, charcoal and grit are placed in separate hopogeness.

No charge to er

OF THE NEW YORK SUNDAY SUN

POULTRY INFORMATION BURLAU

THE FRENCH ARMY AS SEEN FROM WITHIN

siderably higher rate of pay than that healthy localities included in French mess books are kept for the companies unit of the French service during its or squadrons of each unit, and usually period of active service in French these mess books are placed in the hands Cochin-China, while inland in Algeria

not a pleasant one in the opinion able amount of epidemic disease, demands military service of all its cittzens. For in such an army the crimin the army of their own free will at the
small classes and bad characters are included with the rest, and if they do not
conform to military rules in a better
way than they submit to the ordinary

way than they submit to the ordinary

a large percentage of the men remain
in the army of their own free will at the
sumy as at present constituted is a
surrowth of only forty years, and its predcessor, the army of Napoleon the
army in this fashion there is a mateintille showed by the war of 1879 what
in the army of their own free will at the
physician and his wife jointly, but Judge
codd instructed the jury to return a verdecisor, the army of Napoleon the
deliberate only on the guilt or innocence
of Dr. Viertel.

This is the second time the plaintiff way than they submit to the ordinary really increased rate of pay. Fanging an immense amount of reform was restrictions imposed on any law abiding civil community, then some form a day upward, with a pension, and of discipline must be adopted in order to coerce them. When the regimental coerce them. When the regimental authorities of any unit in the French. These reengages very seidom stay down ness with which reforms have been accommissed in the ranks, but form the chief source commissed. It is, due to France that authorities of any unit in the French
authorities of any unit in the French
approach as a second and the french approach as a second and the first day it was continued until the pressure of t

sent to Algeria, where the disciplinary lead during his two years of service to his military history, as well as de-

articles for a varied and nu- army, and consequently the Foreign trient diet. The sergeants in the French | Legion has gained an undeserved repuarmy contribute to a slight extent tation for iron discipline and unduly toward the cost of their messing, but harsh treatment of its men. The chie then it must be borne in mind that all disabilities attendant on service in the non-commissioned officers of the French Foreign Legion consist in periods of army are reengaged men on a con- service in some of the peculiarly unallowed to a conscript during his first colonial possessions. The French colonial possessions. The French of corporals, who eat with the men and its members are subjected to a pecutius benefit from their own good judg-ment. The subject of disciplinary battalions does duty in company with a consider-

of the French soldier, but the formation of such battallons is a necessity in though the initial period of service in tion of such battalions is a necessity in though the initial period of service in the conscript army of a nation which demands military service of all its citation and a large percentage of the men remain wisdom with experience; the republican take an appeal.

The suit was instituted against Dr. Edmund Viertel, Detroit physician. The defend-officers, but the world and France gain take an appeal.

The suit was instituted against Dr. Edmund the conscript army of a nation which the French army is compulsory, quite officers, but the world and France gain the suit was instituted against Dr. Edmund the conscript army of a nation which the French army is compulsory, quite officers, but the world and France gain the suit was instituted against Dr. Edmund the conscript army of a nation which the French army is compulsory, quite officers, but the world and France gain the suit was instituted against Dr. Edmund the conscript army of a nation which the French army is compulsory, quite officers, but the world and France gain the suit was instituted against Dr. Edmund the conscript army of a nation which the French army is compulsory, quite officers, but the world and France gain the conscript army of the suit was instituted against Dr. Edmund the conscript army of a nation which the French army is compulsory, quite officers, but the world and France gain the conscript army of the officer is its brains.

Service is a thing unknown, for the French soldier's limited pay is pay pure and simple, and is not sufficient in amount to admit of deductions of this nature. Much is often made of the nature of the na

fact that the rate of pay in the British rate of he said that, so far as the French con- vate in one of these battalions, which hills of the south and eastern frontiers | ceremony is in existence. be said that, so far as the forment include, in addition to men of a distinguistion of the gain most in the way of physical fitness, and also, in their work of making new need arising for the mobilization of the necessities, leaving the total of his pay wrecks. A disciplinary battalion is a roads, clearing passes, constructing army, the body of men brought to the -small as that is—as his own pocket weritable lost legion.

-small as that is—as his own pocket money. The bread ration, for instance. A very common mistake is made in tances, and carrying the heavy loads must be followed in bringing them on is larger in the French than in the of the Algerian frontier with the world point, acquire a certain quantity of tains particulars of the place at which ment provides free of cost all neces- famous Foreign Legion of the French mental celerity of which men stationed the conscript on the reserve is to re-

> hat the engineer is rendered incapable of appreciating music, or the doctor has conception of the beauty of a garden, by reason of the mathematical nature of the work accomplished by the Girl Gets \$1,841 Award Against one and the physical repulsiveness of much that the other has to perform. The army and the training that it involves never injured a Frenchman yet, nearly four hours deliberation, a jury in end of the last century there were in-

before the conseil de discipline, which army of the republic, for the non-com-has power to recommend that he should missioned officer is the backbone of the be sent to service in the disciplinary French army just as surely as the ously, since in that book are inserted ull particulars of his term of service With this sanction the offender is The life which the conscript must with the colors, and all things relating proceedings

in the sunny garrison towns of the port himself, together with the day of mobilization on which he will be The life of the conscripts has been quired to join the colors—the actual charged with blunting the finer sensi-pharged with blunt is rigors, but the charge cannot be Mine troops may be drafted out to allowed. For one might as well say their posts before the rest come in.

Doctor Alleged to Have Told It.

DETROIT, Mich., Nov. 21.-Following to long as the laws governing the army Judge Codd's court awarded Miss Myrtle eccived proper interpretation. In the rainder and of the last century there were insult for \$5,000 against Dr. Edmund ustices prevalent both among men and Viertel, Detroit physician. The defend-

SLANDER IN KISS STORY.